**Student Activity Sheet 4**

**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class\_\_\_\_\_\_\_\_\_\_\_**

**Volume**

1. Suppose you wanted to compare the volumes of the whales. What procedures would you use to try to calculate their volumes?
2. Compare your method for finding the volume of a whale with another classmate's and make suggestions that would improve your procedures.
3. Select one of the whales and calculate its volume using the procedure you developed. Then compare your answer with the answers of the other students who performed the calculation for the same type of whale.

4. a. Compare your height with the length of any one of these whales and

write it as a ratio

Your height in metres : A whale’s length

This diagram might help

b. Now calculate how many times your height a whale is by dividing its length by your height.

This whale is \_\_\_\_\_\_\_\_ times my height.

c. The volume of food that an animal eats depends on the size of its stomach.

Thinking about the size of a whale’s stomach:

If a whale is 5 times your height , its stomach would hold **5 x 5 x 5** times as much as yours!!

Calculate how many times bigger a whale’s stomach is than yours: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

If you could be filled up by three Big Mac Hamburgers, how many hamburgers would it require to fill a whale’s stomach??



***Yum!!***